

Table 1 – Amino acid substitutions in the KNT mutant strains

SEQ ID NO.	Residue No.	2	17	25	57	61	62	66	75	91	94	102	112	116	117	159	188	190	196	197	198	199	203	206	207	211	220	234	238	246
1	WT*	N	H	D	M	E	A	H	V	Q	S	Q	S	L	E	T	S	S	V	K	Q	S	S	D	H	F	S	[[L]]	T	D
12	KT3-1	Y							A	R		R	P	F					L									V	A	
13	KT3-3		N	L	G	V			A	R	P	R			G			L						L						
14	KT3-5				G		Y	A	A	R	P	R									P							V	N	
15	KT3-7	S			G		Y	A	A	R	R	P	P	F			L											V		
2	KT3-11	K			G		Y	A	A	R	R	P	P	F								P	P		L					
16	KT3-12						T		Y	A	R	P	T	F		L	G		R			P	P						A	
17	KT3-13				G		Y	A	A	R	R	P	P	F								P	V	Q						
18	KT3-15				G		Y	A	A	R	R	P	P	F								P	V	Q						
19	KT3-16				G		Y	A	A	R	P	K	P									P	V	Q			P			
20	KT3-19			L			Y	A	A	R	P	K	P									P	V	Q						
3	HTK	K		L	G	V	Y	A	A	R	P	R	P	F								P	P	V	Q	L	P	V	A	